



CONSTRUCTION EQUIPMENT

SWO-067518 EPIROC TMG21 SEDO165 - REAR RIGHT FINAL DRIVE



Sample No: VCP445804
Oil Type: MOBIL MOBILGEAR SHC 220
Job No: SWO-067518



SAMPLE INFORMATION

Sample Number	VCP445804	VCP432934	VCP417095	VCP424800
Sample Date	14 Nov 2023	04 Oct 2023	09 Aug 2023	20 Jun 2023
Machine Hours	4407	4102	3817	0
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	187	212	213	216
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	40	32	31	25
Sodium	ppm	<1	0	0	0
Potassium	ppm	<1	1	<1	1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	404	190	161	81
Copper	ppm	41	12	11	7
Lead	ppm	98	17	16	14
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	0	1	0
Chromium	ppm	5	2	1	<1
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	1	1	<1	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	2	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	230	40	35	24
Magnesium	ppm	6	2	2	1
Zinc	ppm	103	9	10	10
Phosphorus	ppm	481	396	421	429
Barium	ppm	0	2	2	2
Boron	ppm	10	6	5	4

Depot: SAIBIR
Unique No: 10750868
Signed: Jonathan Hester
Report Date: 22 Nov 2023

VOLVO GRAPHS

